Sai Vegasena

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Experience

Software Engineer at PiBrain 11/17 - 1/18
Seq2Seq implementation using tensorflow and neural machine translation to build a cost effective assistant for small businesses

OSIRIS Lab Researcher\NYUSEC CTF Team Member 12/16 - Current
Participate in the cybersecurity research lab and NYU CTF Team. Currently help run CSAW, HSF, and practice modern day exploitation techniques.

CSAW 2017: Organizer and Problem Writer **HSF 2017**: Problem Writer

Projects

Horus 1/25 - Current
The end goal for the project is to create a pluggable framework that queries and puts "the internet" into a gigantic DB which can then be queried as new "template vulnerabilities" are found.

PiBrain Assistant 11/17 - 1/18
Modeling an encoder and decoder neural network to simulate language understanding in a virtual assistant; written with tensorflow and powered by GPUs and AWS.

BinjPF 12/30 - Current
An ePBF disassembly plug-in written for Binary Ninja

Technologies/Skills

Reverse Engineering/Binary Exploitation: BinaryNinja, IDA, Angr, Pwntools, Pwndbg, GDB
Web: Heroku, Flask, MySQL/SQLAlchemy, Jekyll, Facebook API, Requests, Git
ML: Tensorflow, Openai API **Infra:** Docker **Creative:** Processing, Particles.js

Education

New York University; B.S in Computer Science 2016 - 2020 (expected)

Languages

C C++ Rust Python Go Bash HTML SQL CSS